UNIQUE IDENTIFICATION (UID)

JACG UID Working Group Meeting
December 8-9, 2004

Agenda

Wednesday, Dec. 8

12:00 – 12:15	Introductions and objectives review
12:15 – 12:20	Review agenda (James)
12:20 – 12:45	Review Action Items (James)
12:45 – 13:15	UID Vision (LeAntha)
13:15 – 13:30	GFP Policy Update (LeAntha)
13:30 – 13:45	Break
13:45 – 14:15	Final DFARS Rule (LeAntha)
14:15 – 14:30	International Update (Rob)
14:30 – 14:45	T700 Program Update (Charlie)
14:45 – 15:00	Model Program Plans (Charlie)
15:00 – 15:15	DLA Update (Tom M./Brian S.)
15:15 – 15:30	Break
15:30 – 16:00	MIL-STD-130 Update (Max/Lee)
16:00 – 16:15	Virtual UII (Max)
16:15 – 16:30	Parent/Child Relationship (Max)
16:30 – 17:00	UID Item CONOPS (LeAntha)

Agenda

Thursday, December 9

8:30 – 9:00	Quality Assurance/DCMA Update (Pat Janik)
9:00 – 9:20	Review Action Items
9:20 – 9:30	Set up Break-out Groups
9:30 – 11:00	Convene First Set of Break-out Groups
11:00 – 11:15	Break
11:15 – 12:00	Outbriefs for First Set of Break-outs
12:00 – 13:00	Lunch
13:00 – 15:00	Convene Second Set of Break-out Groups
15:00 – 15:15	Break
15:15 – 15:45	Outbriefs for Second Set of Break-outs
15:45 – 16:30	Wrap Up and Next Steps (LeAntha)

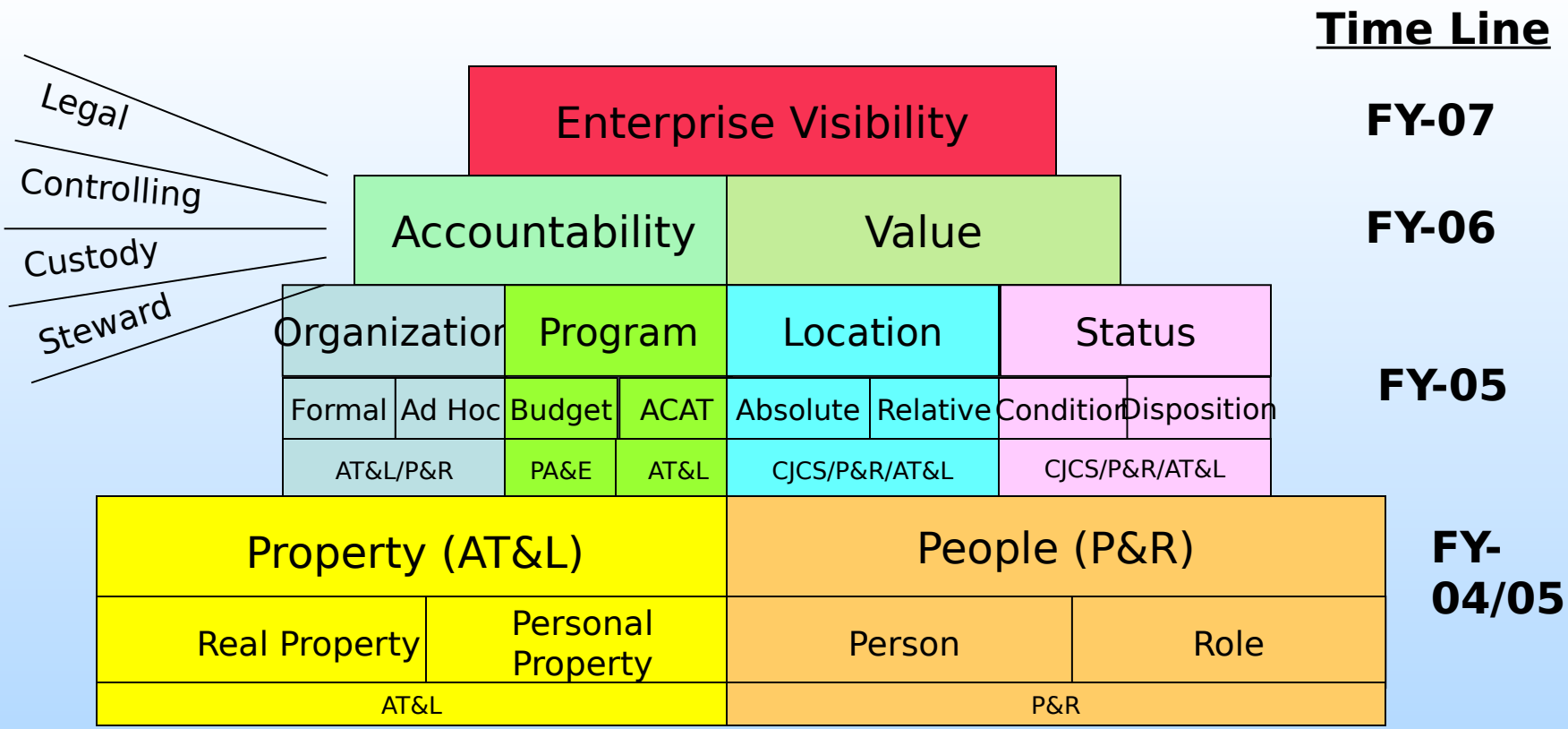
UID Vision
(LeAntha Sumpter)

UID Goals

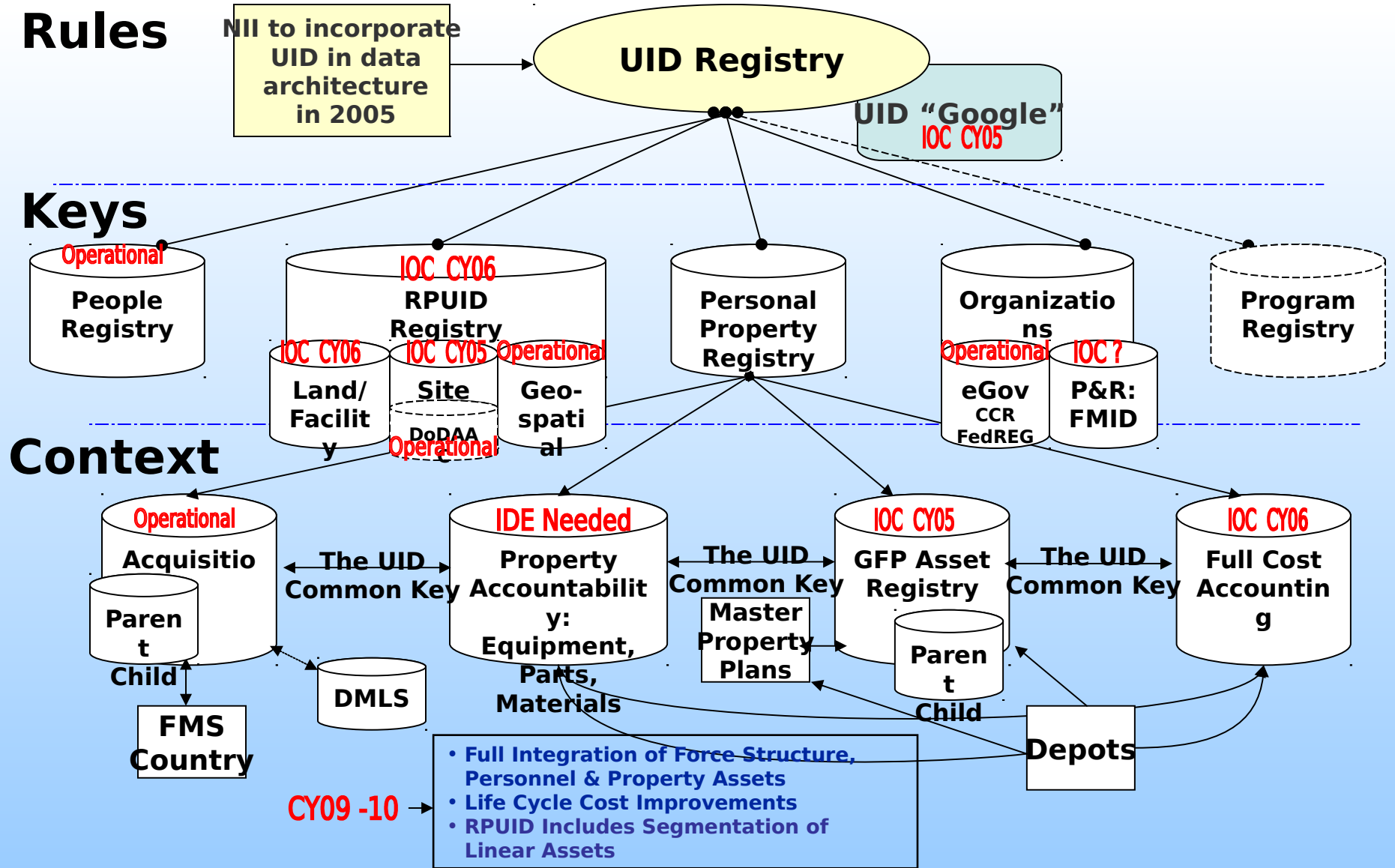
Using Ubiquitous and Globally Unique Identifiers and Capitalizing on Leading Practices Enables and Hastens:

- ✓ ***Improved Operational Readiness***
- ✓ ***Lower Life Cycle Management Costs***
- ✓ ***Reliable Accounting and Visibility***
- ✓ ***Reduced Burden on Workforce***

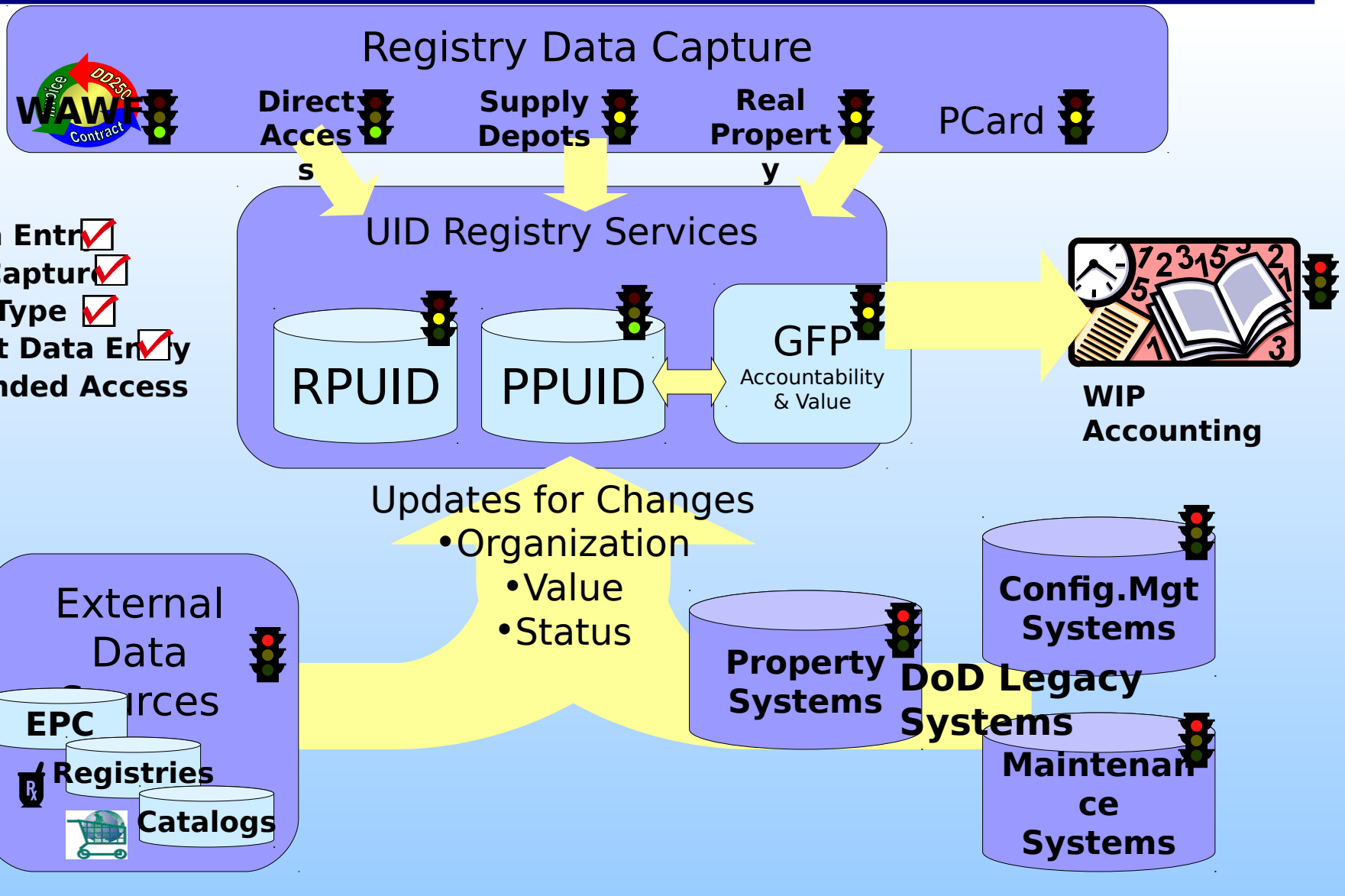
Data Roadmap



UID Registry Concept



Property UID Systems Environment "To



Reengineering Property Transfers

	Acceptance Point	Phase I Present-May 05	Phase II Oct 04-Jan 06	Phase III Oct 05-Sep 07	Phase IV Oct 06-Sep 08
External – Internal acceptance	Source and Destination	Dependent on completion of WAWF deployment			
External – Internal receipt and acceptance	Destination	Dependent on DSS-WAWF Integration			
Internal – External receipt and acceptance	Destination		GFP capture at WAWF or contractor		
Internal – Internal receipt	Destination			Integration w/Property Records	
Internal – Internal acceptance	Source and Destination				Captures & reconciles accountability transfer
External – Internal acceptance (Real Property)	On site				Integrating acquisition & real property records

UID Data Element Summary

	Descriptive data
	UID
	Issuing Agency Code
	Enterprise Identifier
	Original Part Number
	Serial Number
	UID Type
	Description
	Batch/Lot
	Current Part Number
	Current Part Number Effective Date
	Manufacturer Identifier
	Parent UID
	ContractInfo
	Contract Number
	Prime Contractor Identifier
	Acceptance Code
	Acceptance Date
	Acquisition Cost
	CLIN/SLIN/ELIN
	Foreign Currency Code
	Ship-to Code
	Unit of Measure

	GFP
	CAGE
	Contract Number
	DoDAAC
	DUNS
	Received Date
	Sent Date
	Status Flag
	Mark
	Contents
	Effective Date
	AddedOrRemoved
	Marker Code
	Marker Identifier
	Medium
	Value
	Open Items
	Custodian or Steward
	Location UID
	Program UID
	Item Status
	Current Value
	Alias (system unique)

UID Spirals

- Initial Operational Capability (Complete)
- Spiral 2 – Enhanced Item Intelligence (Sept 04-Sept 05)
  - GFP
  - Parent/Child
  - Virtual UIDs
  - Registry Access
  - Receipt and Acceptance Reengineering
  - Legacy Data Entry

UID Spirals

Spiral 3 – DoD UID Integration (05-06)

- Integrate UII with real property unique ID
- Demonstrate integration with J4/J8/P&R Organization ID
- Paperless GFP management

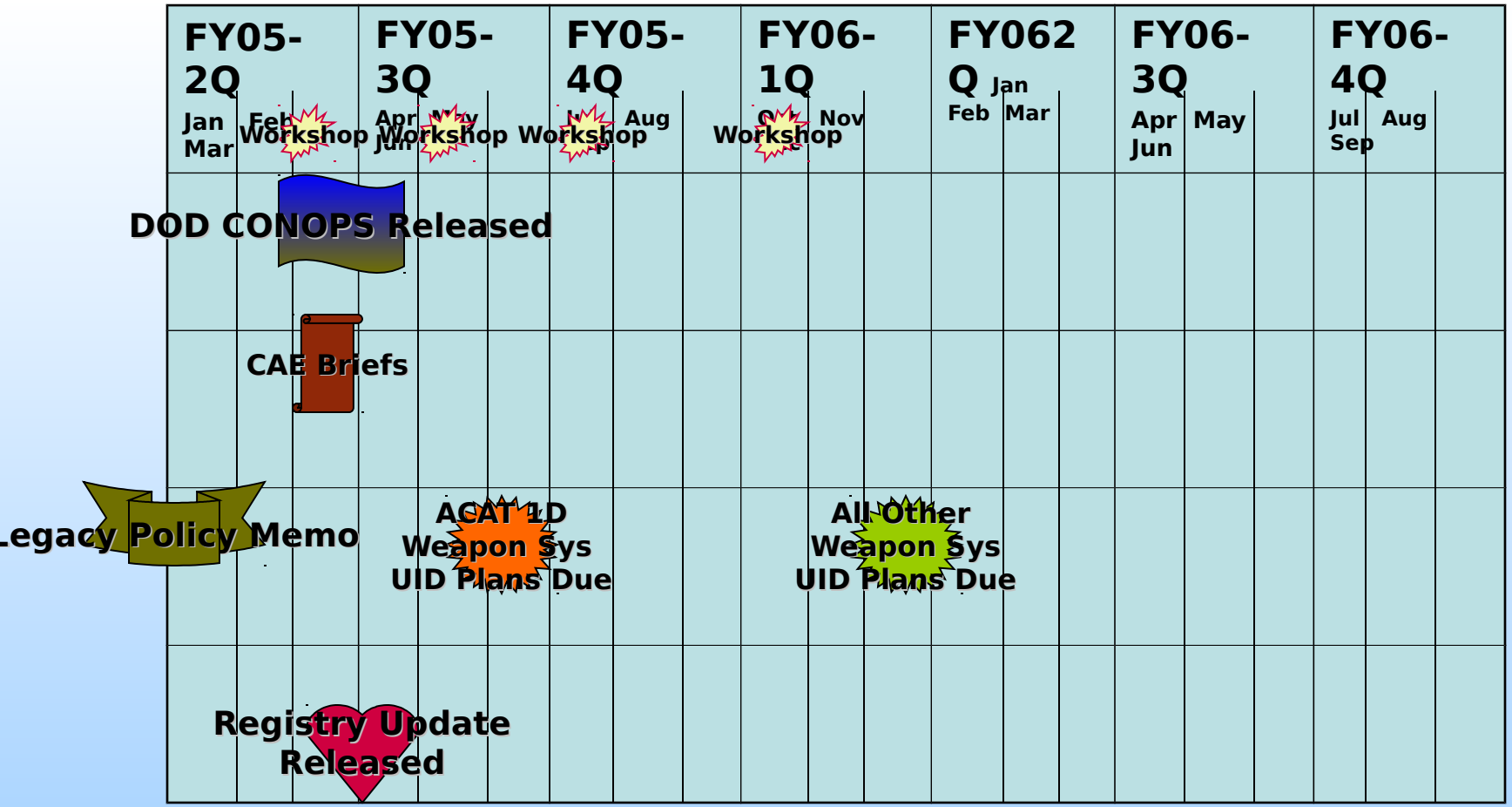
Spiral 4 – Operationalize Accountability and Value (06-07)

Spiral 5 – Operational UID Capability (08-10)

Strategic Next Steps

- **December 04**
  - USD (AT&L) issue task to re-engineer receipt and accountability
  - Issue Real Property UID Guidance
  - USD (AT&L) Legacy & GFP policy issuance
- **January/February 05**
  - Refine CONOPS with Services
  - Develop process alternatives to paperless GFP
- **March 05**
  - Hold UID workshop for PMs
  - Next Industry GFP Meeting

Draft - UID Major Events Calendar



GFP Policy
(LeAntha Sumpter)

GFP Policy Priorities

- All GFP in the hands of contractors is serialized with a UID, either virtual or physical, no later than January 1, 2006.
- DCMA and the Components modify terms and conditions in contracts using block changes as facilities become UID capable.
- All solicitations issued after January 2006 contain UID provisions applied to prospective GFP
- Enhancement to applications should accommodate the business rules related to GFP UID items.
- Start phasing out 1662 traditional reporting Oct 2005

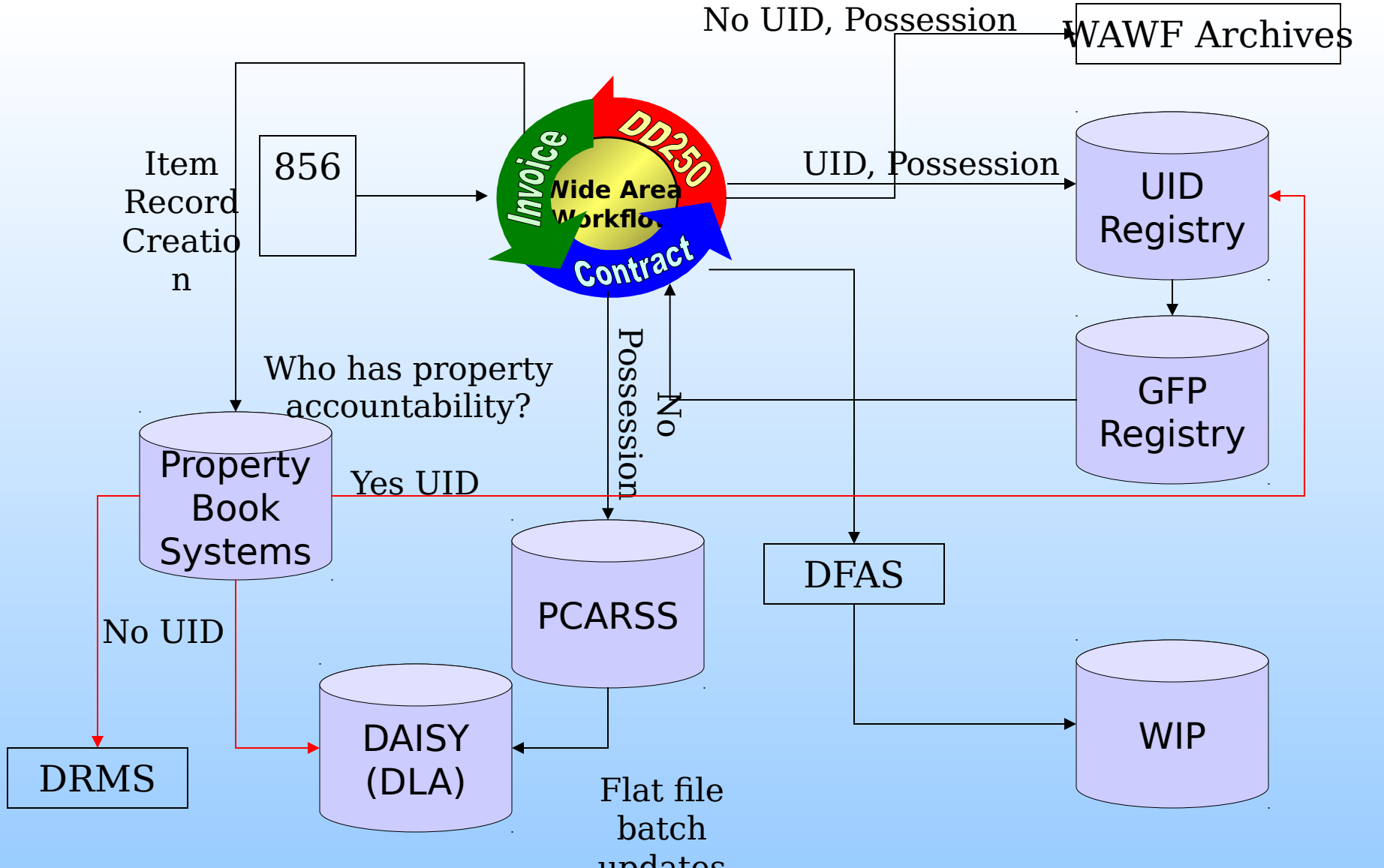
Where is the UID GFP Policy going?

- Will establish a higher UID standard for GFP equipment and installed spares/parts
- Material accountability may be assisted by RFID
- Process re-engineering and data standardization is critical
- End to end process will be incremental
- 1662 transition process to begin Oct 1 2005; requirements will be set March 05
- Goal is one face to industry; paperless property management

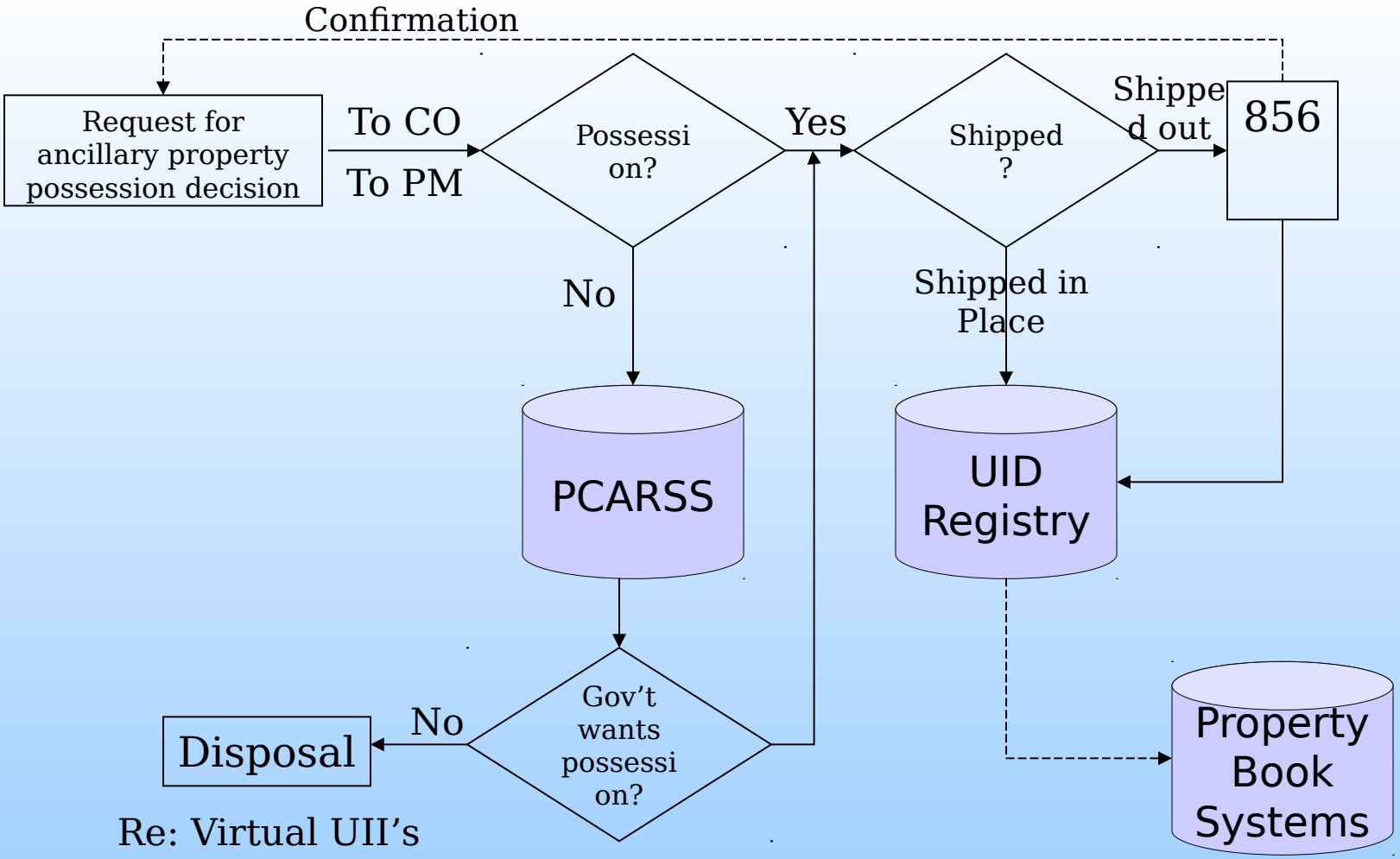
Where is the UID GFP Policy going?

- Paperless GFP
- Value of GFP in delivered items
- Value of GFP in WIP
- Create data once – use many times
- Asset visibility is a higher requirement than UID
- How to determine where, what info is needed?

Portal for Property Transfers



Portal for Property Transfers One DRAFT Alternative: Possession



Re: Virtual UII's

Movement of Material and Related Information

		Current Data Transfer
GFM	Milstrip/ Milstrap	80 card column
	Contract Transfer (no cost)	1149
	Government Location	1348-1A; 1149
	Another Vendor	250 (856/57)
CAM	Stock	Issue document; MRP transaction; MMAS Purchase Order Cost transaction
	Purchase	
	Contract Transfer (cost involved)	Finance department; MMAS

Issues/Questions

- 856, 1149, 511, 527 are close formats
  - Should all migrate to 856?
  - Should we look at business rules that fold material transfer into standard data formats?
- Can RFID allow the summary data to be available for bulk material?
  - Can the RFID # replace or = UID traceability?
- Management Control Activity (MILSTRIP gatekeeper) process should be integrated into data flow

- Current GFP tracking systems in Services
  - G009 (Air Force) (migrating to CAVS II?)
  - CAVS II (Navy, Army)

JACG Update
(Dana Price)

JACG Principals Mtg – 2 Dec Highlights

- JACG refocused to work Aeronautical **Logistics** Opportunities
- Name changed to Joint Aeronautical Logistics Commanders (JALC)
- Membership scrub at the Principal and Working Board levels
- New construct that moves away from Standing Process Boards to Task Boards. Chartered to work focused opportunities and "stood down" when effort complete
- Charter 5-7 Task Boards at January Conference

Draft Update to JALC Mission & Goals

- Mission: Identify and exploit joint opportunities in Aeronautical Logistics communities to improve productivity and reduce costs through commonality

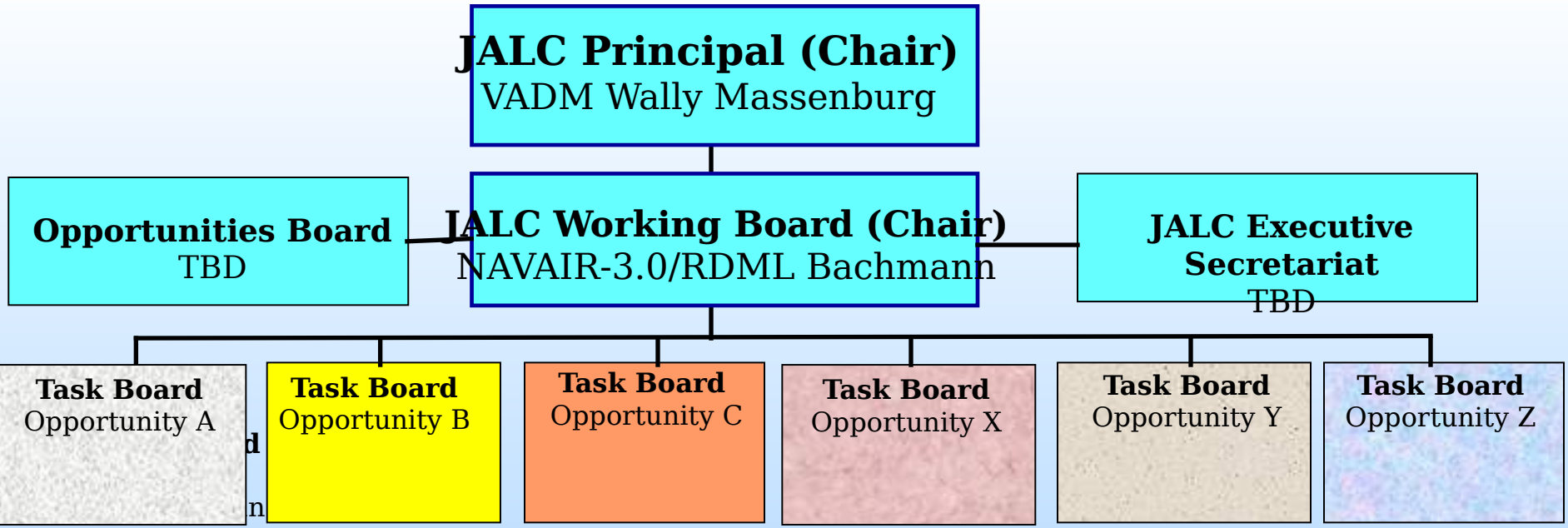
- Goals: Mission Ready Aeronautical Assets at
  - *Reduced Total Cost*
  - *Reduced Cycle Time*
  - *Improved Reliability*
  - *Manage Inventories*

JALC Opportunity Filters

- The following “filters” will be applied to all opportunities as a litmus test to ensure JALC activities stay within charter

  - *Aeronautical (Fixed Wing, Rotary Wing, UAVs)*
  - *Involves Multiple Services/Agencies*
  - *Ties to ILS Elements*
  - *Apply Metrics*

NEW JALC CONSTRUCT



JALC Principals - Roles

- Provide Direction
- Set Priorities
- Approval on Initiatives
- Coordinate within Services for resources (people and funding)
- Address issues via the Working Board
- Address restrainers

JALC Working Board - Roles

- Own and administer the JALC operating procedures and processes
  - Archiving, Opportunities/Action Tracking
- Opportunities Vetting Body
- Maintains momentum of Task Boards
- Advisors to Principals
- Status Implementation of Opportunities and bring visibility to roadblocks
- Keeper of the Metrics

JALC Task Board - Roles

- Chartered by JALC with Finite Life Span
- Follow Charter
- Develop POA&M
- Track Against Metrics
- Stand down when task complete

Action/Initiative

Action Item # (if applicable)

Description:

Complete the two quad charts for each of your current actions/initiatives that still fit and proposed new initiatives

Not required on items you are recommending for closure/disposition

Date Action Initiated/Due:

Status:

Aeronautical: What aero areas are impacted (Rotary Wing, Fixed Wing, UAVs)

Services/Agencies Impacted: List all Services/Agencies impacted by this opportunity

ILS Elements: Which ILS Elements are impacted by this opportunity

- Supply Support
- Design Interface
- Manpower & Personnel
- Facilities
- Support Equipment Handling
- Maintenance Planning
- Computer Resources
- Training & Training Support
- Technical Data Storage
- Support Equipment Package, & Transportation

Action/Initiative (Cont'd)

Action Item # (if applicable)

Link to JALC Metrics:

Discuss how this opportunity ties to the four metrics of reducing total cost, reducing cycle time, improving reliability, and managing inventories

Metrics/ROI:

Recommended Way Ahead:

Alternative Approach (if applicable):

International Update

(Rob Leibrandt)

T700 Update
(Charlie Lord)

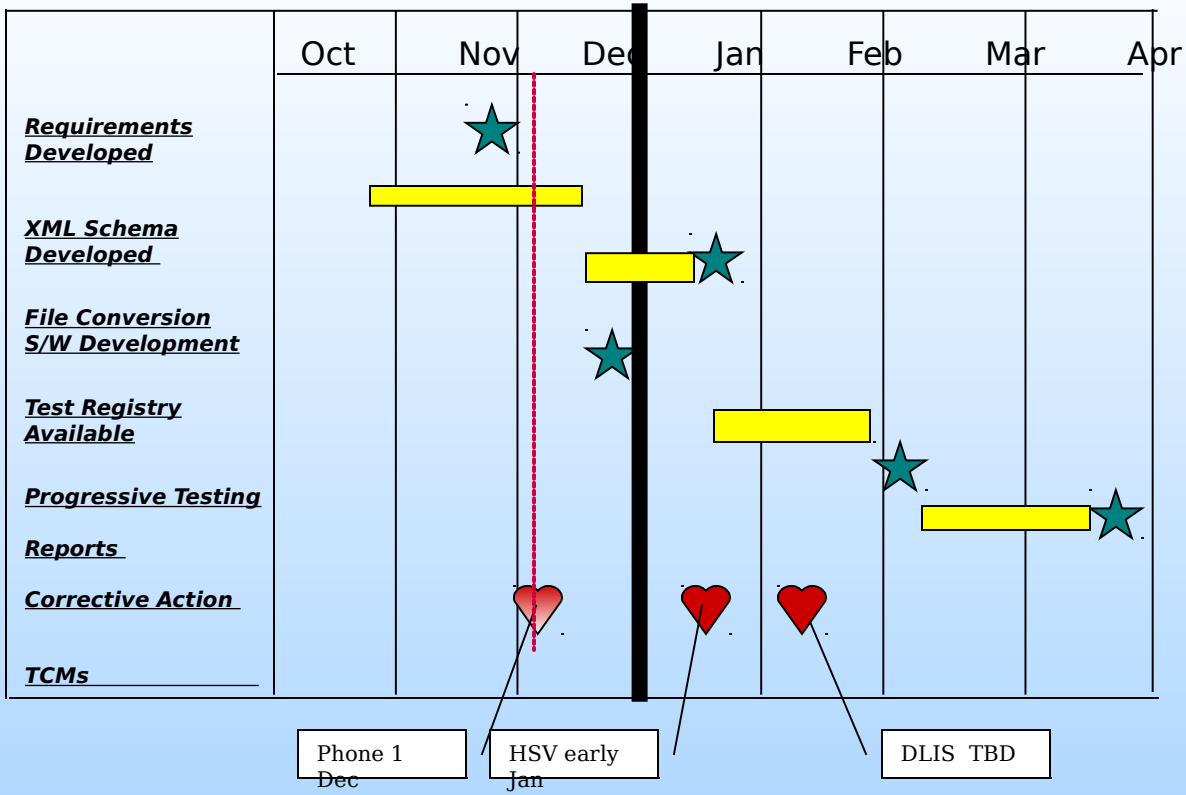
Purpose

- To “Exercise” the Data Registry System with Real World Inputs from the Army DA2410 system.
  - Use of Test Registry
  - Large Volumes of Data
    - Define Data Set, Cases and Desired Outcomes
  - Initiate Changes to items
    - Parent/Child
    - P/N
    - Ownership
    - Life (Demil..Disposal etc)
  - Identify Corrective Action
  - Determine Future Upgrades
    - E.g.: Service to Service Data Transfers

T-700 Data Transfer Testing

- Progress
  - Test Plan Drafted
    - Participant's Tasking Identified
  - XML Schema
    - Delayed 10 days due to contract lapse
    - Expect delivery to Army Redstone Component Analysis Branch by 16 December
  - First TCM via telephone completed
  - Schedule Developed
  - Test Matrix being socialized
  - Next TCM Scheduled for 11/12 January at HSV

T-700 Data Transfer Testing



Model Program Plans
(Charlie Lord)

UID Program Plans

- Template Released after last JACG 14 October
- Comments Rec'd from the Air Force (Mark Reboulet)
  - "…unclear what you are trying to accomplish with this plan. If you are trying to ascertain where the weapons system PM is with the implementation of UID in their contracts, that is a fair question"
  - "Interweaving the DCMA "30 company" plans with this effort is tenuous at best."
    - Response-The SPIs will affect Program Plan and should be mentioned to the extend it would affect the plans
  - "You are still asking for AIS integration status for UID. The Weapon Systems PMs do not have a say in this. "
    - Response-" Not all the services are the same. Some service weapons systems don't have a say in the service enterprise (could be in the service UID CONOPS) but they will integrate with it and may be required to invest in their respective military system to a greater or lesser extent to accomplish the integration/change/enhancement (weapon system equipment, s/w, pubs etc). "

UID Program Plans

- Comments Rec'd from the Army (Paul Krumhaus)
  - Clarifications in the Elements Section 3

		FY Start Date	FY Complete Date
1	**Preparation Activities**		
1.1	Priorities for application of UID and associated data transfer established *(specify on page 2)*		
1.2	Listing of items requiring UID completed for each application priority *(1.1 application categories…see page 2)*		
1.3	UID marking strategy studies and ROM estimates completed		
1.4	AIS integration strategy studies and ROM estimates completed		
1.5	Budget for UID implementation submitted		
2	**Implementation/Execution Activities**		
2.1	Legacy contracts (issued prior to 1 Jan 2004) modified		
2.2(.1-.N)	Key Program trigger events (physical marking of items) identified		
2.3	Progress Reviews		
3	**Capability Achieved (physical marking & ability to transfer Pedigree data to Registry)**		
			Full Capability Achievement Date
3.1	All New solicitations include UID Requirement		N/A
3.2	Legacy Contracts Modified		
3.3	Assignment of Virtual UIDs		
3.4	GFP in possession of contractors (in-plant GFP – virtual)		
3.5	Items in operational use		
3.6	Items in inventory (ICPs, Supply Depots etc)		
3.7	Depot		
3.8	UID capable AIS		

UID Program Plans

- What Did We Learn?
  - Some clarifications were needed
- What do we need to know to help PMs?
  - Provide Workshops?
  - More Time?
- What Should UID Acquisition Managers Be concentrating on?
  - CONOPS
  - AIS Integration Schedules
  - Budgets
- Next Steps?
  - Review Pilot Plans – Refine based on results

DLA Update
(Tom McElwee)

MIL-STD-130

(Lee Davis)

Project Overview

- Project SESS-2004-001 Established 30 July 2004
- 1st Review:
  - Issued 1 October 2004
  - Suspense 3 December 2004
- Review Responses (as of 2 Dec)
  - Concurrences – 3
    - OC-ALC/EN, NAVSEA 05Q, DSCR
  - General – 6
  - Detailed Comments – 85
    - Accepted – 29
    - Rejected – 11
    - Deferred - 45

KEY ITEMS

Paragraph 4.4 Direct Parts Marking

- ISO/IEC 15415 Verification Challenged
- SAE AS9132 Recommended
- Change Print Quality From 3.0 to 2.0
  - “Designed To Maintain 2.0”
- Exclude Contrast Criteria
- Protective Coating Consideration?
  - Allow 2.0(Grade C) At Time of Application
- Replace 4.4.2.1 With 4.4.2.1 of Revision L
- Change Cell Size

CURRENT ACTIONS NEEDED

- Subject Matter Experts (SME)
  - Identify to Preparing Activity
  - Identify Specific Area of Expertise
  - Review Deferred Comments and Provide Recommendations
  - Assess Comments For UID Policy/Guide Input
- Preparing Activity
  - Identify Items to SME
  - Coordinate SME Input/Recommendations
  - Integrate SME Recommendations
  - Conduct Second Review
  - Conduct Comment Resolution Conference
  - Submit for Publication

Projected Schedule

- Integrate Comments / SME Recommendations
  - 28 Jan 05
- Conduct Second Review
  - 1 Feb – 8 Apr
- Integrate Comments / SME Recommendations
  - 29 Apr
- Conduct Comment Resolution Conference
  - 17-19 May
- Integrate Conference Decisions
  - 15 Jun
- Submit For Publication
  - NLT 1 Jul

Virtual UII

(Max Westmoreland)

Comments on White Paper

- Do we mean “GFP” or “property in the possession of contractors”?
- Change in organizational alignment is not a trigger event
- No need to provide the custodian enterprise
- Only applies to DoD resident equipment and spares in custody of contractors
- Increased risk of duplicate UID information since original marked serialization may conflict with the current holder

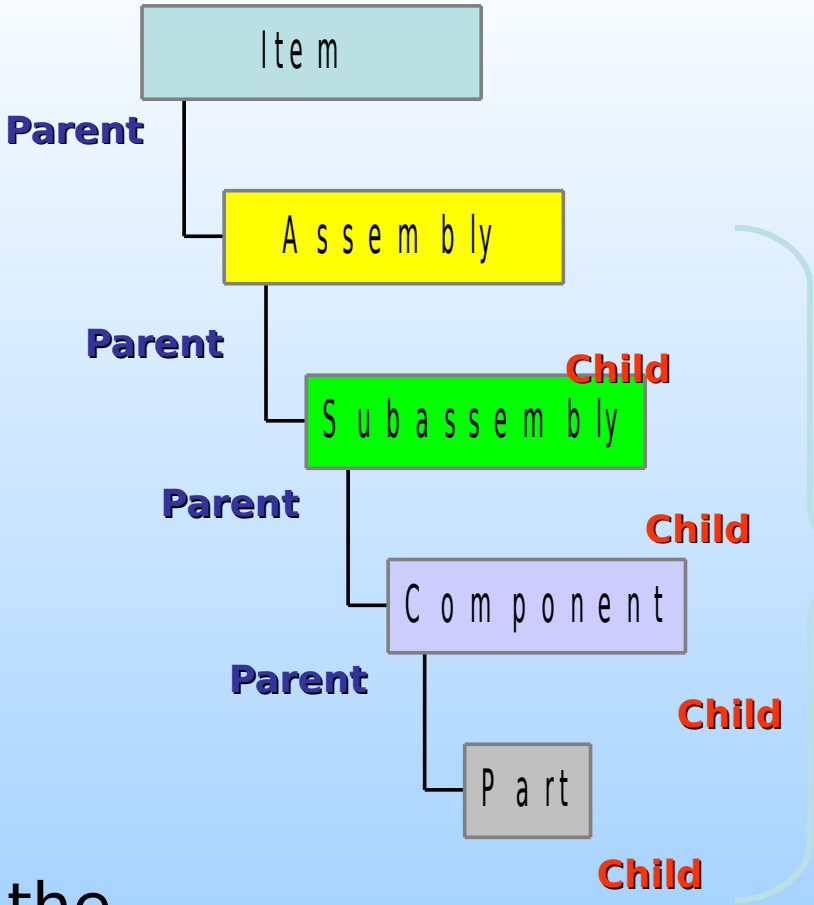
Parent-Child
(Max Westmoreland)

Parent Child Requirements

- “Parent item” means the item assembly, intermediate component or subassembly that has an embedded item with a unique item identifier or DoD recognized unique identification equivalent.

- “Item” means a single hardware article or a single unit formed by a grouping of subassemblies, components, or constituent parts.

Parent Child Hierarchy



Serially managed embedded items

Derived from the requirements of DFARS 211.274

Action Item Update
(James Clark)

Action Items from last meeting (10/13-

Issues to be addressed (industry roadmap)

1. Clearly communicate DCMA timeline and criteria for UID/SPIs. (Pat J. – 10/20)
2. What will be the service key criteria? [poll Mike Breckon, Col. Simard, Mark Reboulet, Jerry Cox, USMC to be named] Set up telecon – James to coordinate
3. A high-level engineering guidance (draft charts in process) provided to Jim Sturges-G33
   a. Is relief available?
   b. How to deal with drawings where the government is the design authority? (CH-47 lessons learned)

   (Max/James to distribute current doc for review and comment)
4. Need to dust off strategic approach for engineering guidance (Max W./Chris I. – AIA TOC)
5. Could use guidance documents on direct part marking and reading procedures (draft available). (Max W. 10/27)
6. Standard flow-down provisions. (Chris I. – AIA TOC)

Action Items from last meeting (10/13-

Issues to be addressed (industry roadmap)

7. Integration of PBL, engineering, specifications, serialized item management tracking, configuration status accounting (as-built reporting) is important (see #9 below)
8. Authorize the submittal of UID data regardless of UID as a contract provision (LeAntha/Pat J.)
9. What should an integrated data environment look like for maintenance and others? (separate working group – industry and government)
10. Procedures to address acceptance and inspection of parts (Pat J./LeAntha/Dave G.)
    a. When the drawings have not been modified individually (spurious mark)
    b. Partial payments
11. Need a DCMA Roadmap/CONOPS (Pat J.)
12. Clarify data reporting for primes/subs (LeAntha)
13. How to handle sub-assemblies? Need a set of business rules (small parts, bag & tag) (see #9)
14. Develop draft guidance for SPIs, and distribute for comment (Pat J.)

New Action Items (12/8-9)

1. Pull out definitions for program managers – 5000 – December, 2004 (add to latest policy)
2. Define Roles & Responsibilities/Skill set for service UID acquisition reps.
3. Develop business rules for COTS
4. Identify relationship between UID and serial asset tracking/management programs in services
5. MIL-STD-130M
    a. Determine turn-around time for change notice to current 130L (Lee Davis)
    b. Develop draft verbiage by next Thursday (Mark Reboulet)
    c. Publish new revision of SAE 9132 by Jan. 2005 (Nat Russhard)
    d. Develop communication in policy/memo from Mr. Wynne/DCMA (LeAntha/Pat J.)
6. Clarify virtual requirements for 2007 in next policy update. (LeAntha)
7. Identify magnitude of budgetary impact of cleaning up data (services)
8. Examine similarities in data sets for DPAS, G009, CAVS II – may already exist in Air Force (Program Office)

New Action Items (12/8-9)

9. Collect and distribute business cases (James) – December, 2004
    a. Data cleanup
    b. AIT technology
    c. UCC – material handling
    d. Quality improvement/cycle time improvements/non-conformance reduction
10. Set up meeting between UID Program Office and SAF HQ for Jan. 2005 (Mike Wagner)
11. Post and distribute Rockwell Collins redacted implementation plan (Pat J., James)
12. Identify Service Acquisition Reps by Jan. 1, 2005 (Service POCs)
13. Distribute Gen. Scott letter (Pat J., James)
14. Provide comments on draft DoD Quality Assurance Guide from DCMA by Dec. 17 (group)
15. Provide input on material in advance of PM workshops
    a. Milestone criteria (Program Office to refine and circulate for comment)
    b. Program Plan template (provide comment to Charlie L.)
16. Develop generic KPPs, provide to WG for feedback by end of Jan. 2005 (LeAntha, Charlie L.)
17. Research additional user/working groups related to UID efforts (e.g., SAP, NMCS, etc.)
18. Distribute Statement of Objectives from F/18 (Charlie/James)

Quality Assurance/DCMA Update

(Pat Janik)

Industry Roadmap Breakout Group

Criteria/Elements of SPI

1. Address configuration management approach: drawing approach
2. DCM encourage supplier SPIs (Kaminski letter)
3. Implementation cost
4. Articulate how plan matches DoD customer base (facilities mapping to customers and programs)
5. Plan should address outcomes – performance based
6. Take long term view/strategy at weapons systems level
7. Initial identification of embedded assets
8. Can we disconnect or clearly segregate RFID and UID? DCMA should limit implementation for now to UID

Pat Janik: Develop draft guidance for SPIs, and distribute for comment

Implementation Plan

- Mr. Wynne's Sep 3 memorandum directed DCMA to work with DoD's largest contractors on their strategies for implementation of UID
  - Single Process Initiative
- DCMA Contract Management Offices (CMOs) acting as the primary industry interface
- Implementation Plans being done at
  - Corporate
  - Facility/Business Unit

Implementation Process

- Single Process Initiative builds on existing organization structures
- Contractors submit Implementation Plans to DCMA
- Services/DLA Component Team Lead have approval authority
- If necessary, escalation and decision by a designated senior acquisition official
- Local DCMA ACO issues Block Change Modification

SPI a Proven Process

Actions for Implementation

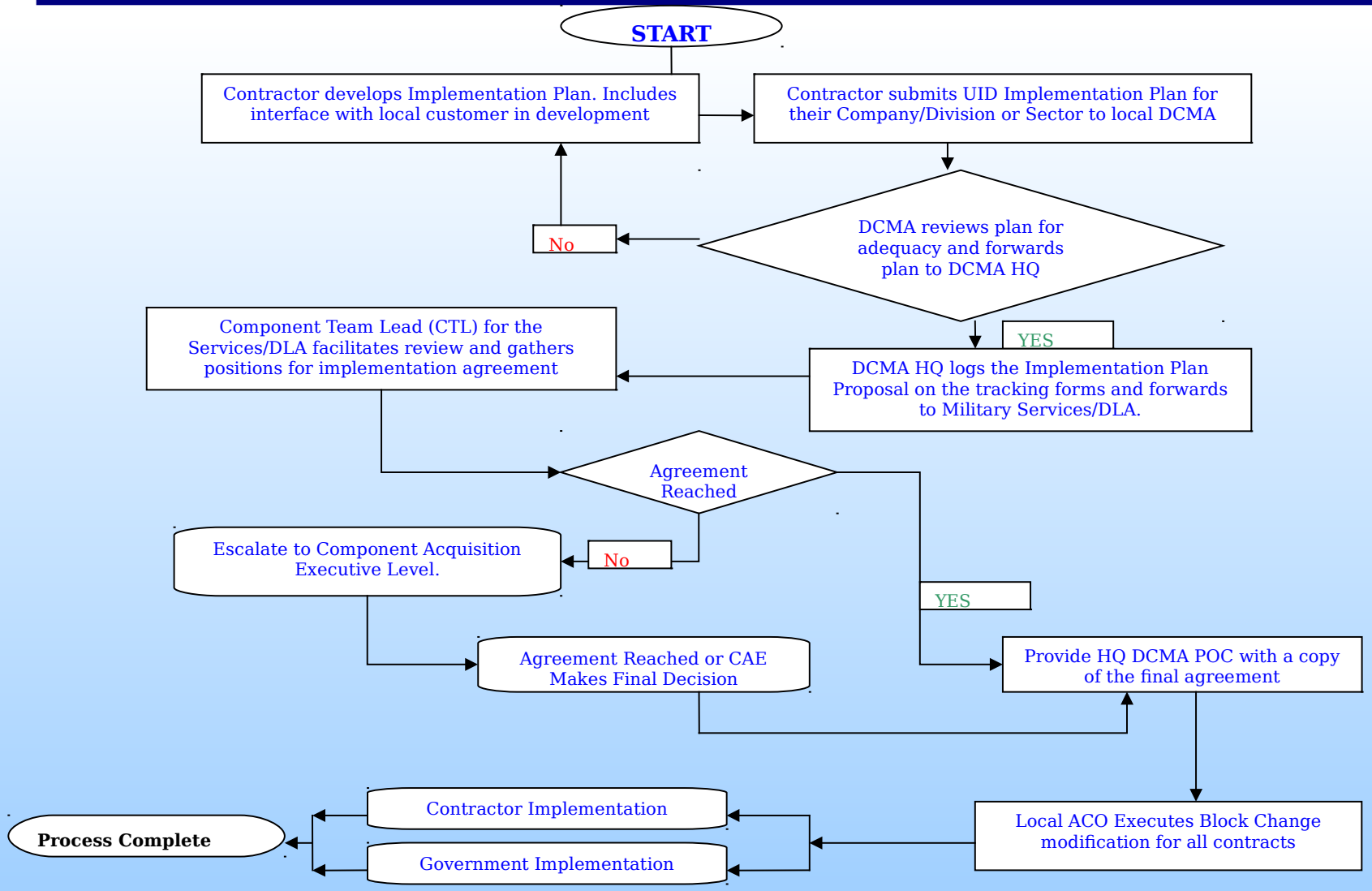
- ☑ Maj Gen Scott's letter to top 30 Corporations — Nov 1
- ☑ Maj Gen Scott's letter to Industry Associations — Nov 1
- ☑ DCMA Information Memo for CMOs — Nov 1

Done concurrently

- Announcement in Federal Register — Nov. 19
- DCMA Community of Practice Launched — Oct 12
- ☑ Training by DAU for DCMA CMOs — Nov/Dec
- Continued support to NDIA/DAU training — Ongoing
- Services/DLA Identify Component Team Leads — Jan. 1 2005

BACKUP DCMA SLIDES

Implementation Plan Flow Chart



Breakout Groups

Lifecycle Management UID Req’ts

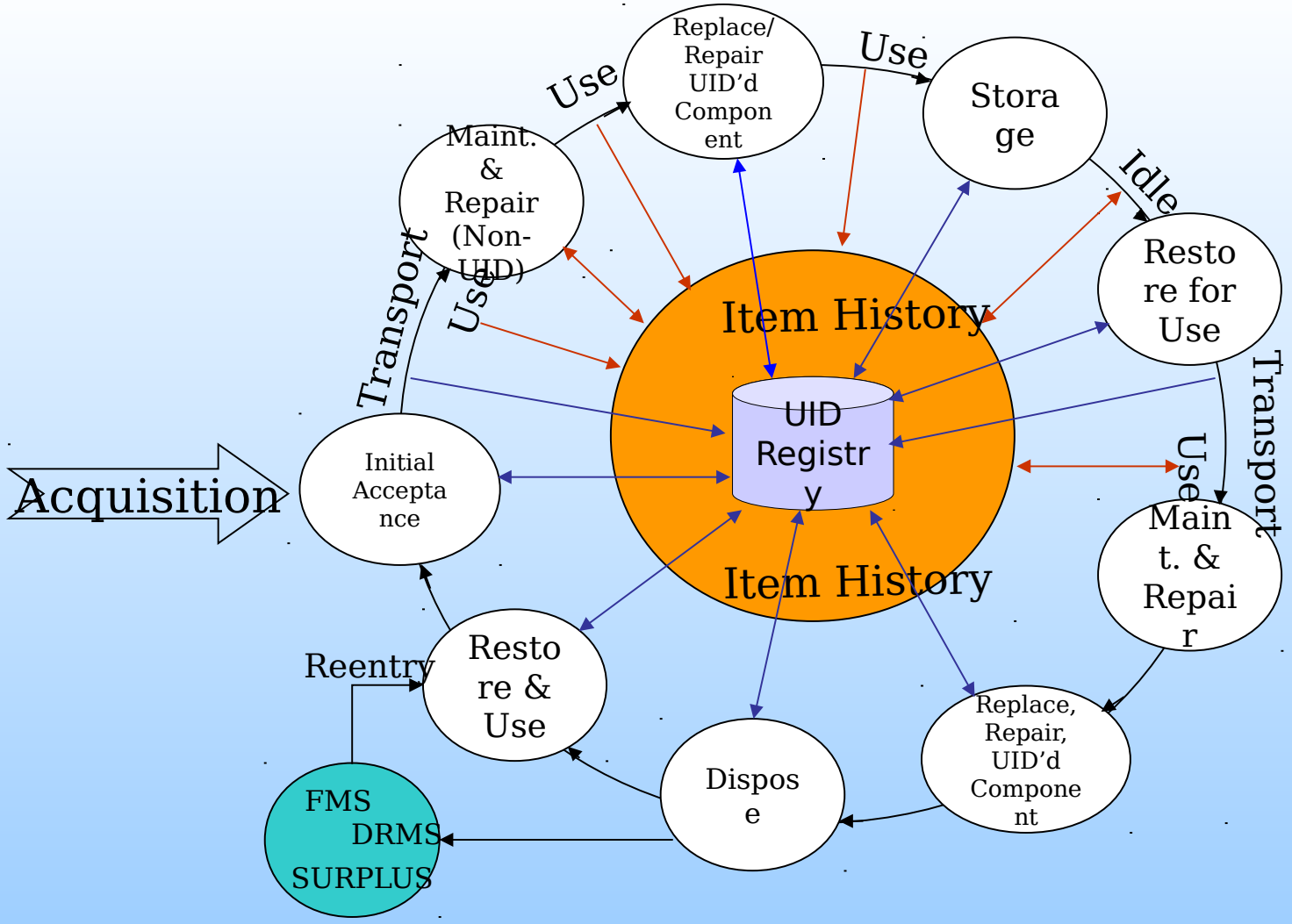
1. Review UID pedigree data elements
   a. Identify additional elements (if necessary)
   b. Identify which are desired vs mandatory

2. Outline Lifecycle Management issues/ requirements from Logistics perspective

3. Draft COTS business rules

4. Data flow via WAWF for vendors below prime, parent/child configuration management

Item Lifecycle



Backup Slides

1662 Discussion

Data Elements needed for UID Registration Population?

- Do we need 1662 as well for 2005?
  - Yes
- Do we continue 1662's for non-UID items?
  - Something like the 1662, but not the 1662
- What do to with Real Property
  - Brainstorm a plan of action
  - Report it like the non-UID items

1662 Audits/Verification

- Components of 1662 (Existing)
  - RP, ST, APS, STE, IPE/OPE, Material, CA, GF

- Online System (Future)
  - RP (GO)
  - Equipment (GF) Each
  - Material (GF)
  - Raw Materials
  - ~~LVP~~
  - CAP

Guidance out by March!

Step 1
1. Reconciliation of Existing to Future

Step 2
1. Depreciate values of UID items
2. Annual report of non-UID items (lump sum)
3. Eliminate CAP reporting